

USMC Counter Radio-Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW), CREW Vehicle Receiver Jammer (CVRJ) 2.1 System

System Characteristics:

TAMCN: A02917
NSN: 5865-01-553-4738
Technology: Digital
Spectrum: Classified
Orientation: N/A
Mobility: Vehicle Mounted
Power: Up to 36 amps
Distance: Classified
Operational Mode: N/A
Encryption: N/A
Quantity Fielded: Approximately 4,159
AAO: 9,754



System Description: The primary purpose of the CVRJ system is to defeat existing Radio Frequency (RF) threats and newly identified Hard-to-Kill RF threats. The CVRJ system accomplishes its primary mission by jamming each threat's transmitted RF signals. The secondary purpose of the CVRJ system is to add the capability to combine multiple internal RF signals and external RF inputs from other systems, and serve as the conduit for transmitting those RF signals while maintaining system interoperability. It accomplishes both missions via 15 waveform programmable RF channels.

The system is software controlled to meet specific threats. Indicators on the CVRJ front panel and Remote Control Unit (RCU) allow the operator to observe system health and diagnostic messages. Built-In-Test (BIT) routines run during system initialization and operation that notify the operator of system faults by illuminating indicators referred to as "annunciators" and by displaying text messages on the RCU display. The system is highly automated which reduces operator interaction.

The system draws up to 36 amps of vehicle power, weighs approximately 69 lbs, and measures 13"H x 14"W x 19"D.

Locations:

CE: OEF
GCE: OEF
ACE: OEF
CSSE: OEF

Programmatic Information:

Manufacturer: EDO/ITT
Contract Vehicle: NAVSEA Contract
MCSC Acquisition Status: Production and Deployment
P3I: FY11
IOC: FY09
FOC: FY10
Fielding Plan: Ongoing
Unfunded Requirement: N/A

Lifecycle Configuration Control:

Initial Fielding: FY09

Quantity Fielded: Approximately 4,159
Warranty: None
Logistics Support Concept: 3 level (O, I & D)
Upgrades: FY11
Variations: N/A
Legacy Equipment Substitute: 2.0 Chameleon, Hunter
Lifecycle Status: Fielding
Expected Replacement System: JCREW 3.3
Expected Replacement Timeframe: FY13

Requirement:

Stated Need: UUNS CDTS #05208UA, 04321UA. USCENTCOM JUONS dtd 2006 Nov 15. SON for USMC CREW Systems Upgrade dtd 2008 Aug 05. SON for USMC CREW Systems Upgrade Change 1 dtd 2010 May 14.
Operational Requirements Documentation (ORD): None

Concept of Employment: CVRJ 2.1 system provides vehicle mounted Marines a RCIED jamming device which emits radio frequencies that disrupts or jams signals needed to detonate RCIEDs. It is designed principally to support mounted Marines conducting combat operations.

Operational Impact: PM USMC CREW systems continue to provide a significant operational impact by effectively countering (jamming) RCIEDs and providing protection to tactical vehicles and mounted Marines during combat operations.

Risks:

Cost: Low
Schedule: Med
Performance: Low

Status: Fielding ongoing.